

# SEQUENCE LISTING

<110> Centre National de la Recherche Scientifique  
 <120> Polypeptide inhibiting a proton-gated Na<sup>+</sup> channel  
 <130> 7791Prov/PCT  
 <140> 7791Prov/PCT  
 <141> 2001-05-10  
 <150> US 60/203,309  
 <151> 2000-05-10  
 <160> 1  
 <170> PatentIn version 3.0  
 <210> 1  
 <211> 40  
 <212> PRT  
 <213> Psalmopoeus carmbridgei  
 <220>  
 <221> CHAIN  
 <222> (1)..(40)  
 <223> Psalmotoxin 1, first potent and specific blocker of  
 the ASIC1A channels  
 <400> 1  
 Glu Asp Cys Ile Pro Lys Trp Lys Gly Cys Val Asn Arg His Gly  
 Asp  
 1 5 10 15  
 Cys Cys Glu Gly Leu Glu Cys Trp Lys Arg Arg Arg Ser Phe Glu  
 Val  
 20 25 30  
 Cys Val Pro Lys Thr Pro Lys Thr  
 35 40